

FIG. 1

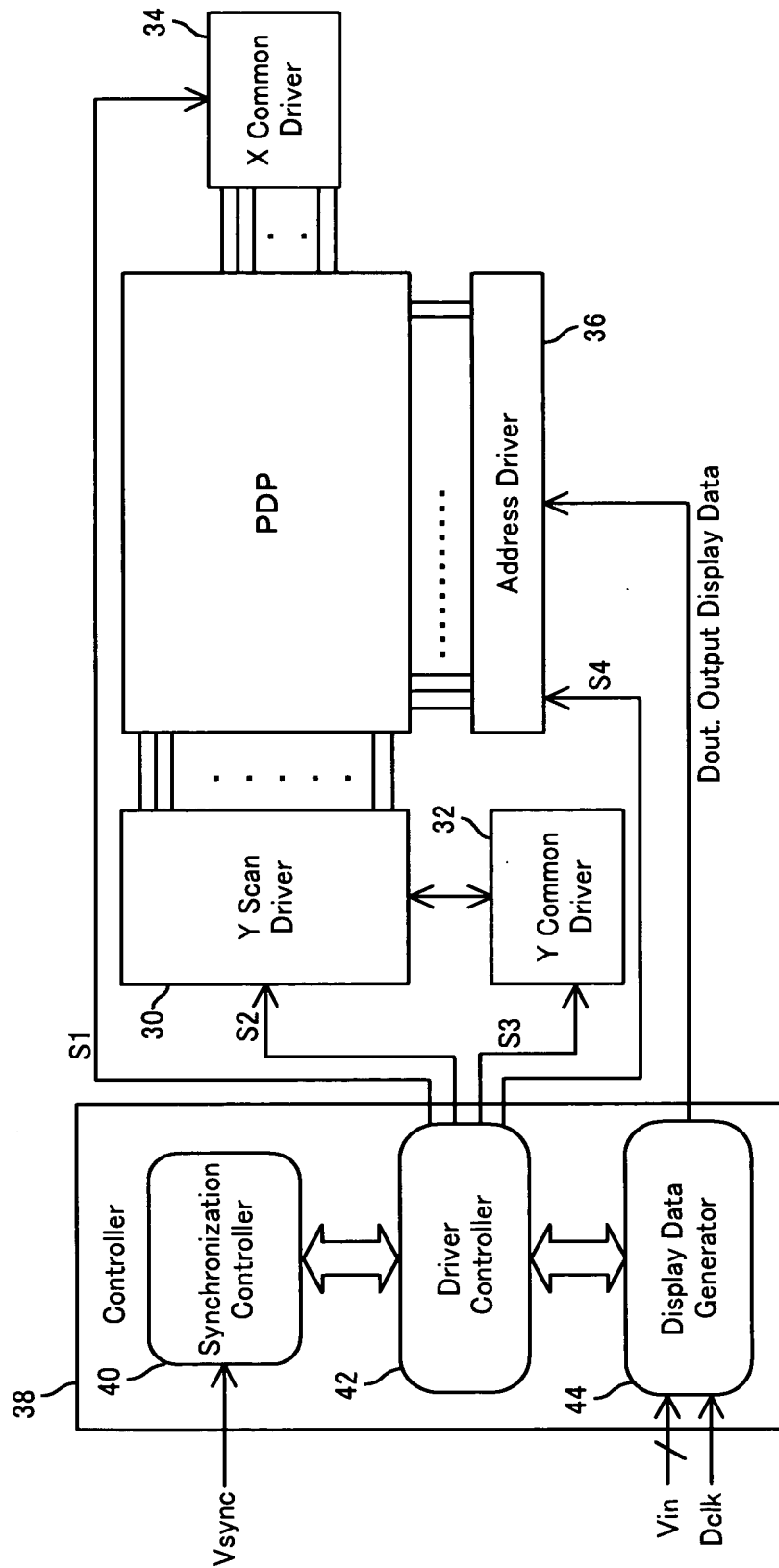
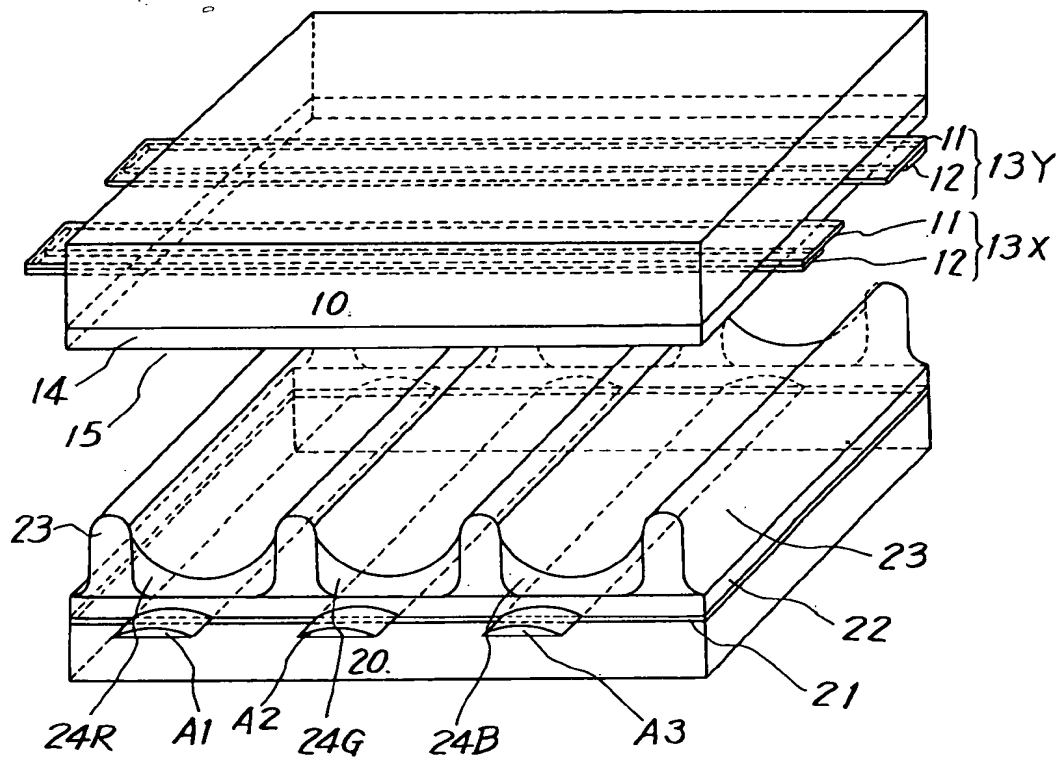


FIG. 2



002220 29692960

FIG. 3

Sub-frame System of Embodiment (8 + 1 Sub-frames)

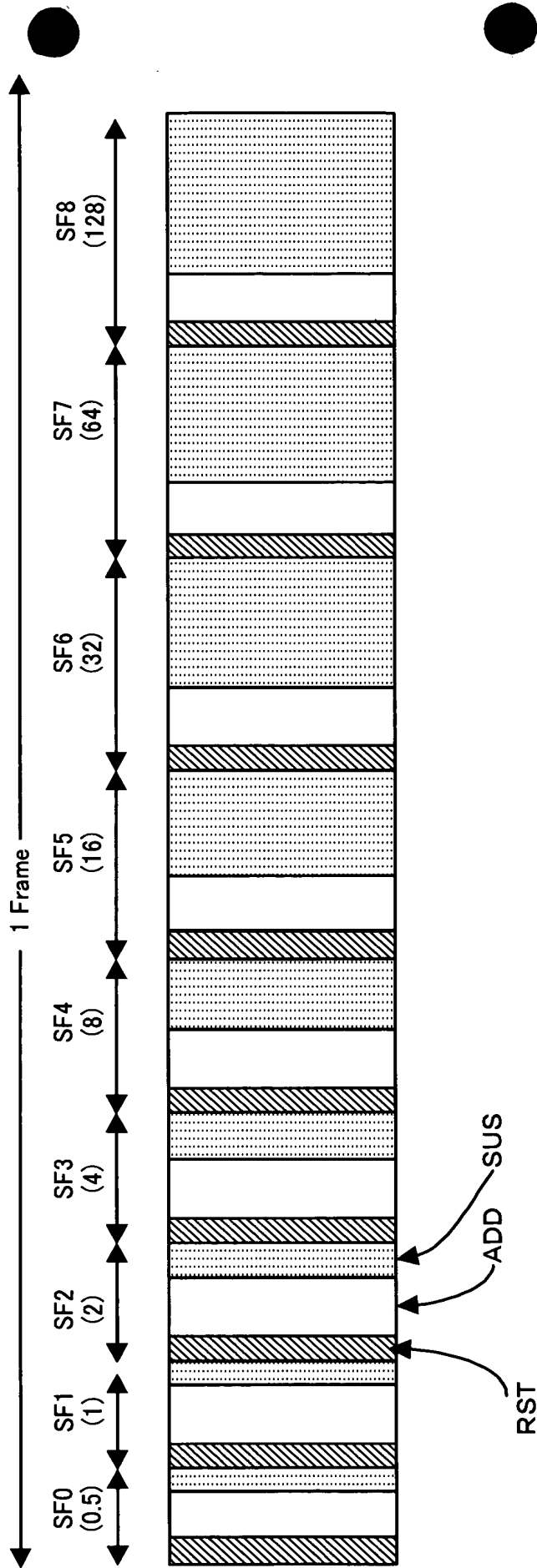


FIG. 4

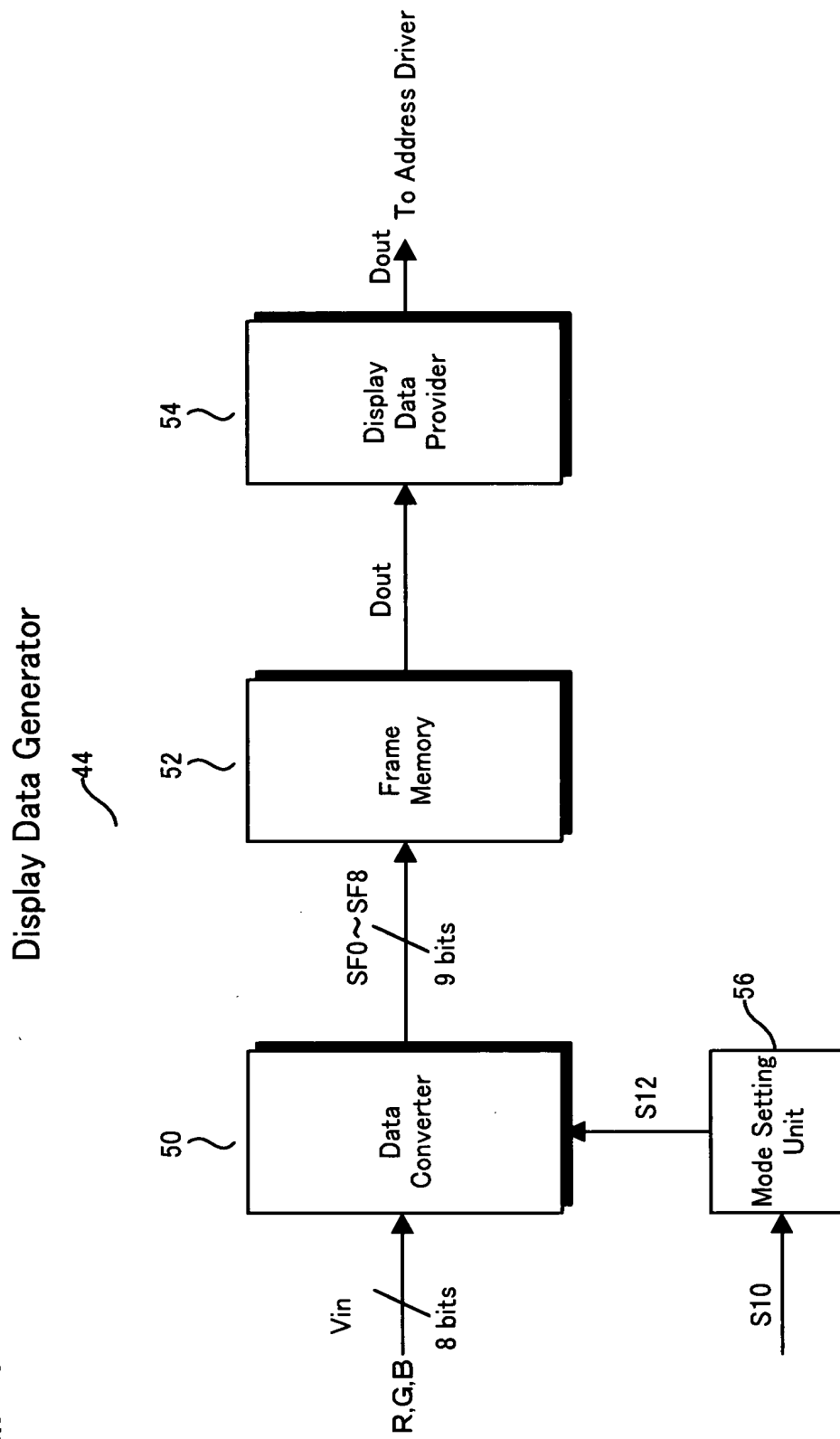
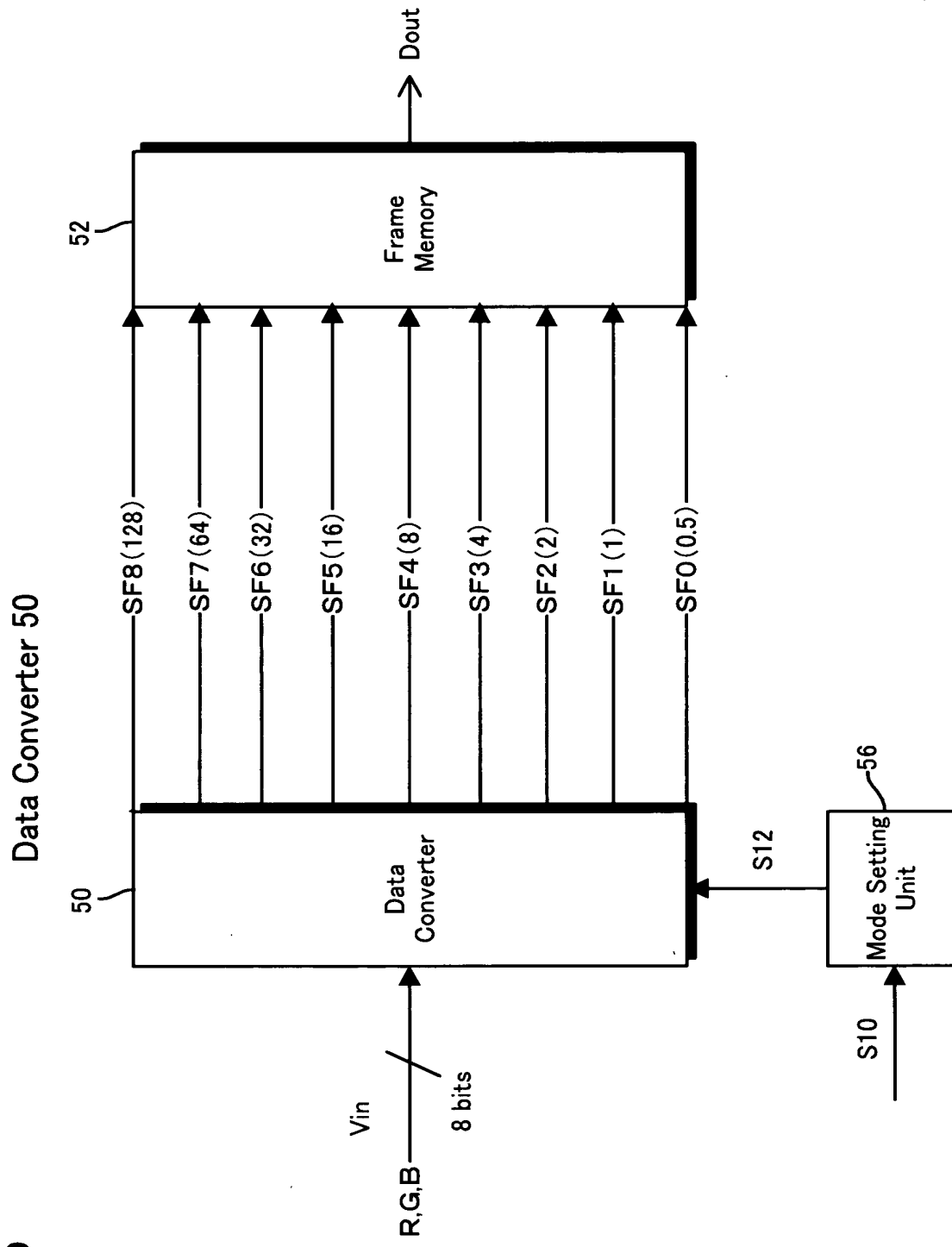


FIG. 5



Characteristics of Conversion Table

FIG. 6A

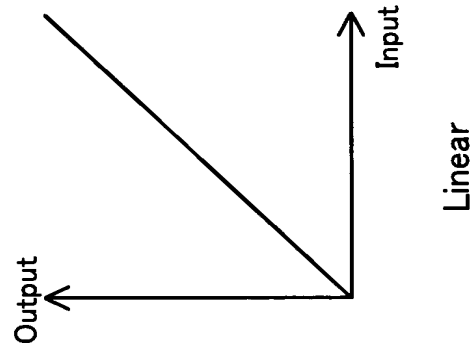


FIG. 6B

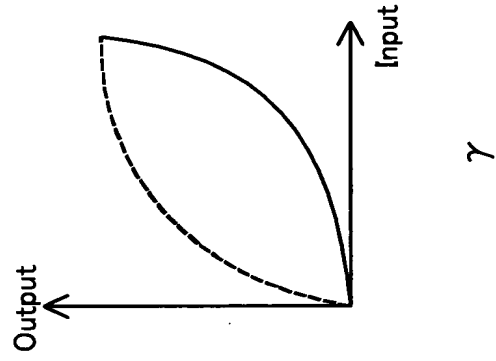


FIG. 6C

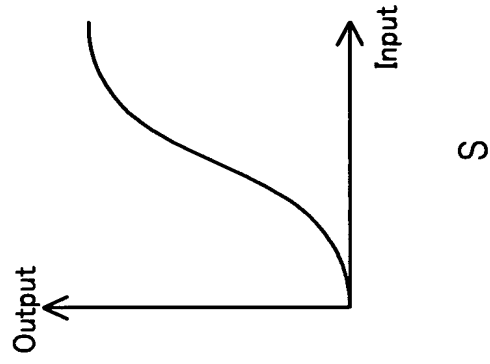


FIG. 7

Conversion Table (1)

Input Gray Scale	SF0 (0.5)	SF1 (1)	SF2 (2)	SF3 (4)	SF4 (8)	SF5 (16)	SF6 (32)	SF7 (64)	SF8 (128)	Luminance
0										0
1	1									0.5
2		1								1.0
3	1	1								1.5
4			1							2.0
5	1		1							2.5
6		1	1							3.0
7	1	1	1							3.5
8				1						4.0
121	1			1	1	1	1			60.5
122		1		1	1	1	1			61.0
123	1	1		1	1	1	1			61.5
124			1	1	1	1	1			62.0
125	1		1	1	1	1	1			62.5
126		1	1	1	1	1	1			63.0
127	1	1	1	1	1	1	1			63.5
128								1		64
129			1					1		66
130				1				1		68
131			1	1				1		70
132					1			1		72
133			1		1			1		74
134				1	1			1		76
135			1	1	1			1		78
136						1		1		80
248						1	1	1	1	240
249			1			1	1	1	1	242
250				1		1	1	1	1	244
251			1	1		1	1	1	1	246
252					1	1	1	1	1	248
253			1		1	1	1	1	1	250
254				1	1	1	1	1	1	252
255	1	1	1	1	1	1	1	1	1	255.5

002220" 9692960

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FIG. 8A

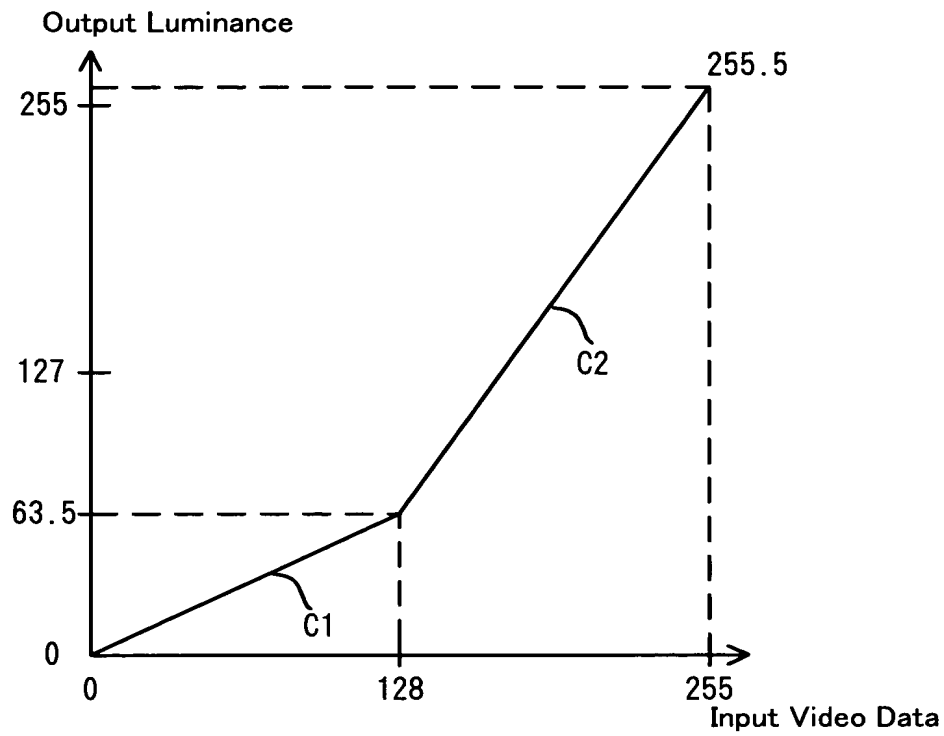


FIG. 8B

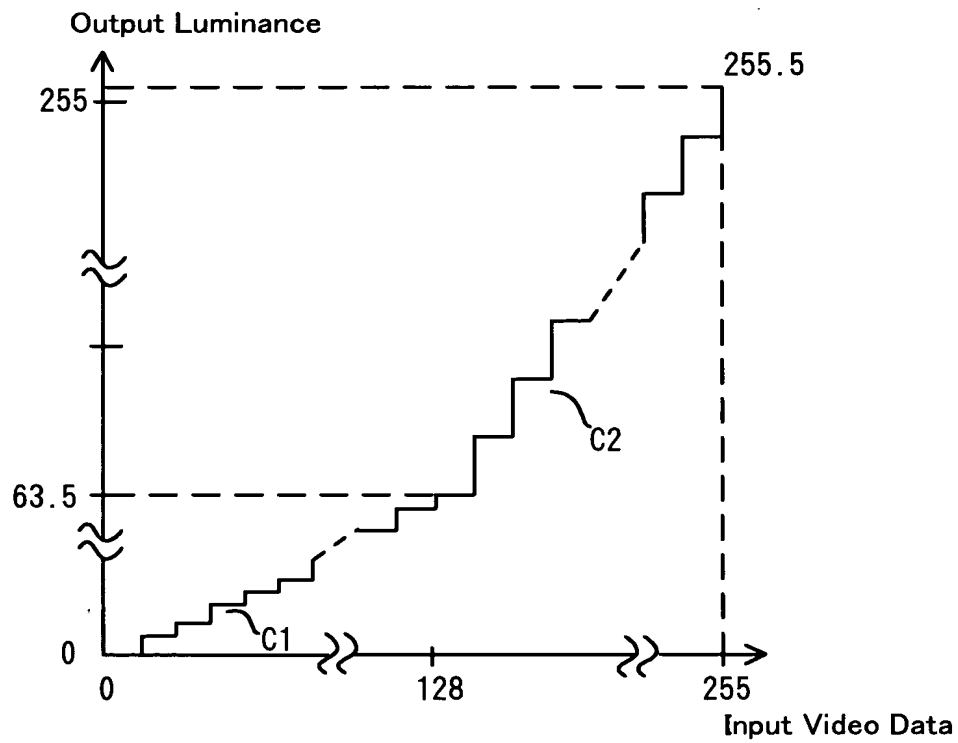


FIG. 9

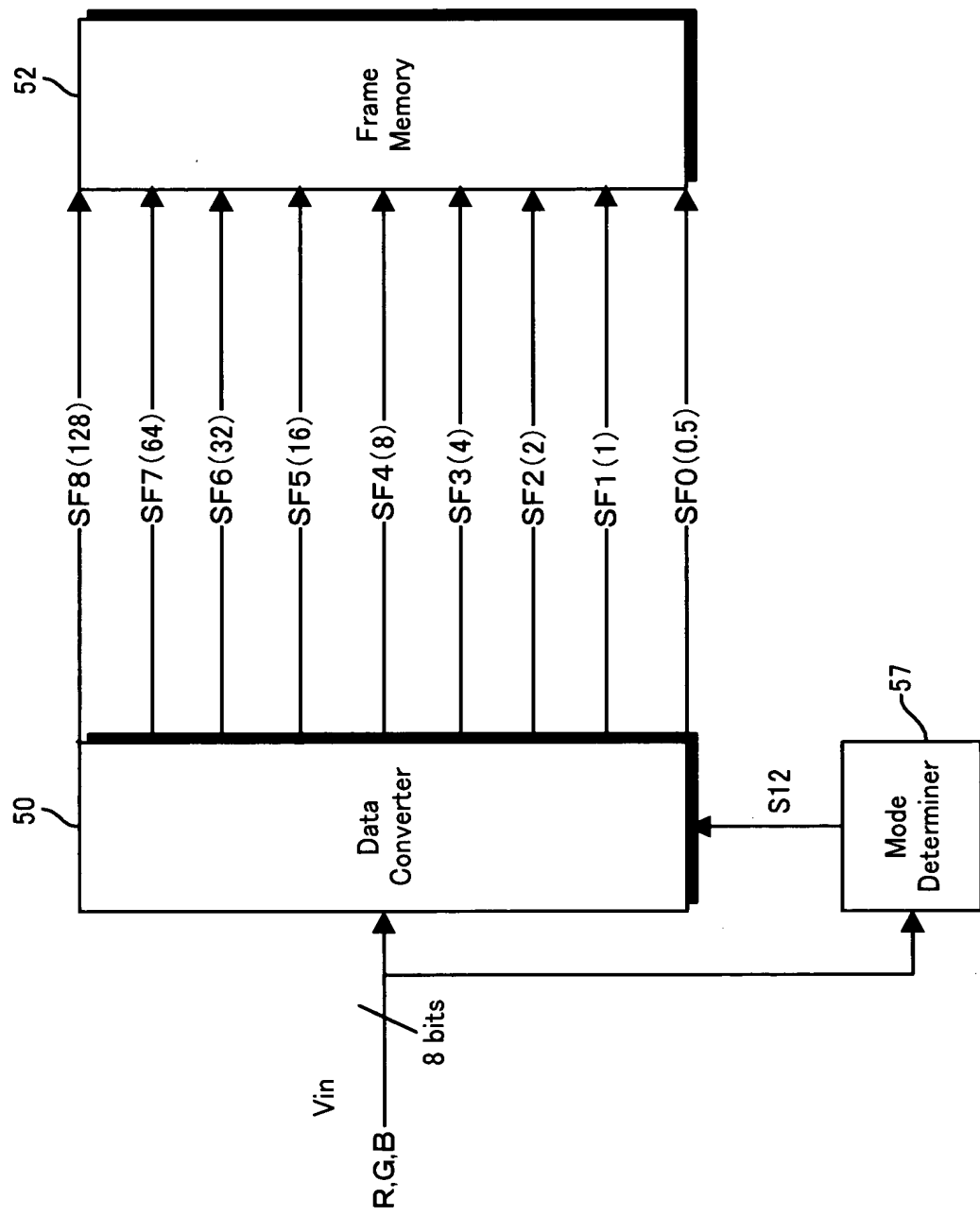


FIG. 10

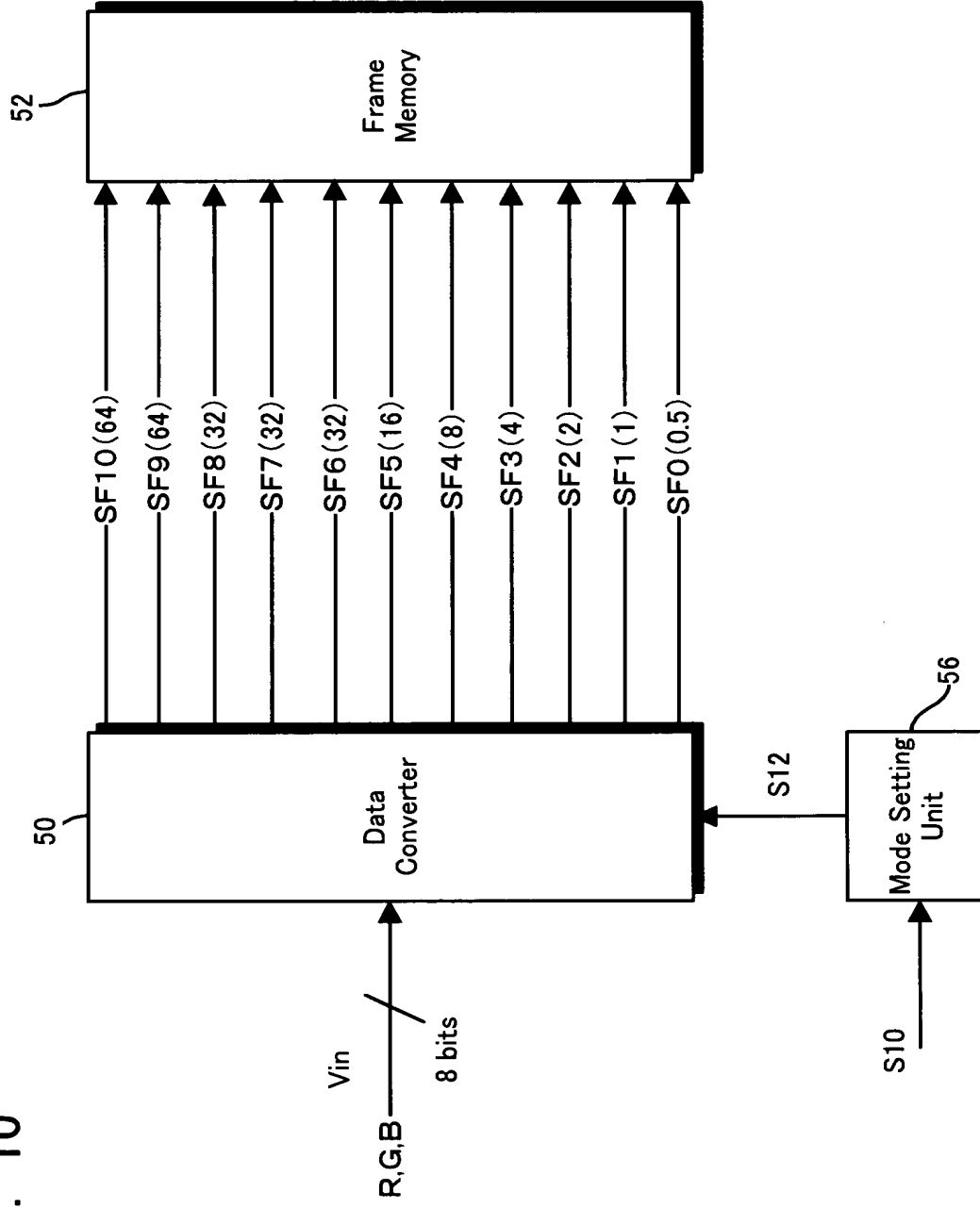


FIG. 11

Conversion Table (2)

Input Gray Scale	SF0 (0.5)	SF1 (1)	SF2 (2)	SF3 (4)	SF4 (8)	SF5 (16)	SF6 (32)	SF7 (32)	SF8 (32)	SF9 (64)	SF10 (64)	Luminance
0												0
1	1											0.5
2		1										1.0
3	1	1										1.5
4			1									2.0
5	1		1									2.5
6		1	1									3.0
7	1	1	1									3.5
8				1								4.0
121	1			1	1	1	1					60.5
122		1		1	1	1	1					61.0
123	1	1		1	1	1	1					61.5
124			1	1	1	1	1					62.0
125	1		1	1	1	1	1					62.5
126		1	1	1	1	1	1					63.0
127	1	1	1	1	1	1	1					63.5
128								1	1			64
129			1					1	1			66
130				1				1	1			68
131			1	1				1	1			70
132					1			1	1			72
133			1		1			1	1			74
134				1	1			1	1			76
135			1	1	1			1	1			78
136						1		1	1			80
248						1	1	1	1	1	1	240
249			1			1	1	1	1	1	1	242
250				1		1	1	1	1	1	1	244
251			1	1		1	1	1	1	1	1	246
252					1	1	1	1	1	1	1	248
253			1		1	1	1	1	1	1	1	250
254				1	1	1	1	1	1	1	1	252
255	1	1	1	1	1	1	1	1	1	1	1	255.5

002220" 29692960

FIG. 12

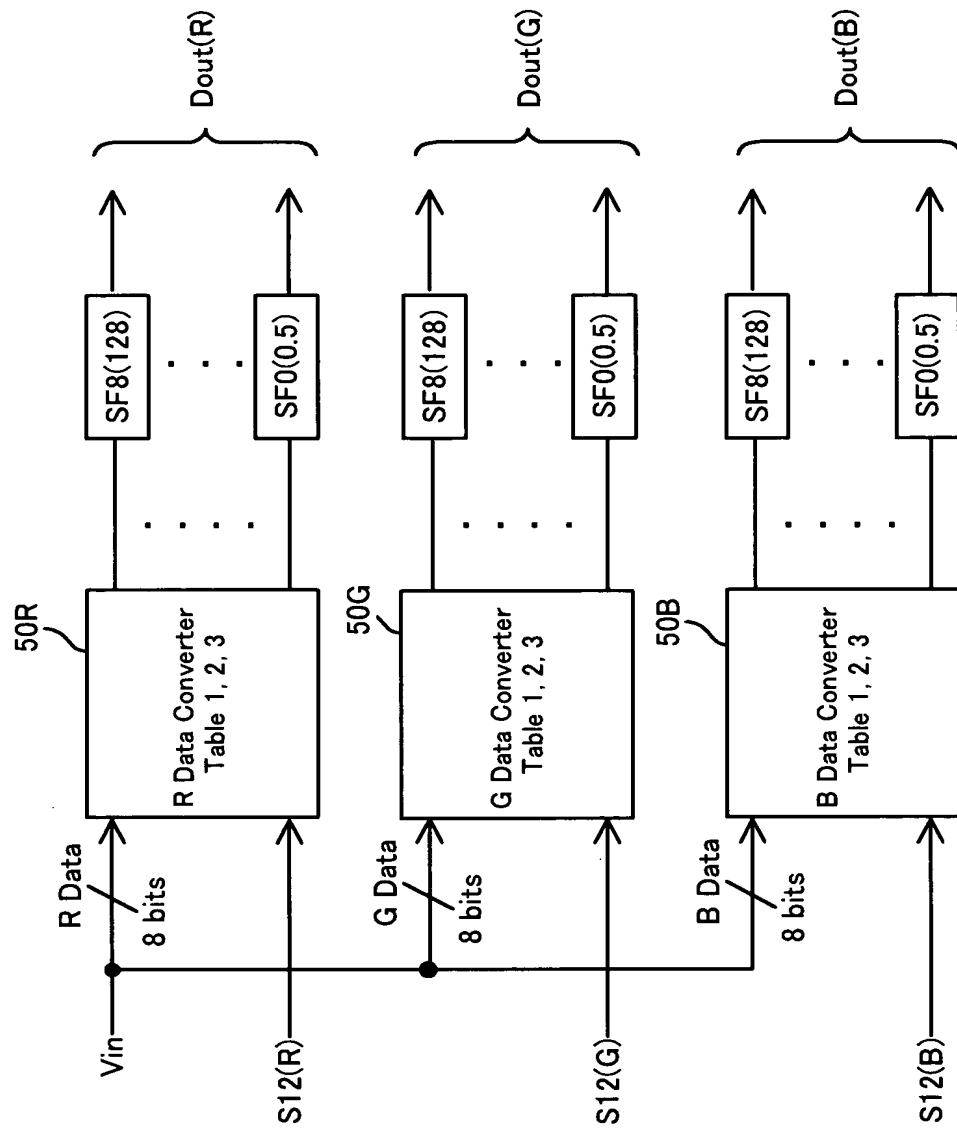


FIG. 13

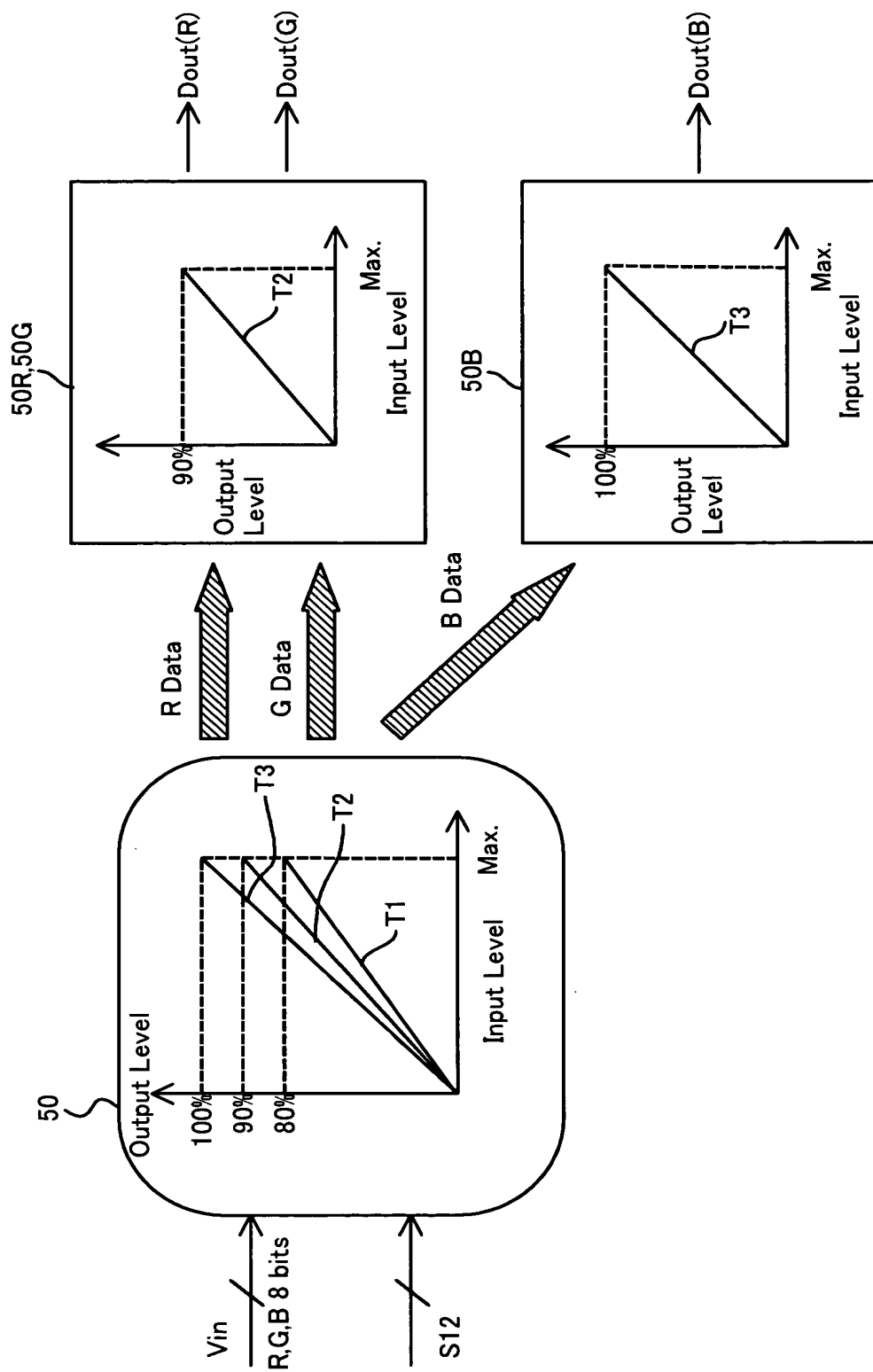


FIG. 15

Conventional Data Conversion Table

Input Gray Scale	SF1 (1)	SF2 (2)	SF3 (4)	SF4 (8)	SF5 (16)	SF6 (32)	SF7 (64)	SF8 (128)	Luminance
0									0
1	1								1
2		1							2
3	1	1							3
4			1						4
5	1		1						5
6		1	1						6
7	1	1	1						7
8				1					8
121	1			1	1	1	1		121
122		1		1	1	1	1		122
123	1	1		1	1	1	1		123
124			1	1	1	1	1		124
125	1		1	1	1	1	1		125
126		1	1	1	1	1	1		126
127	1	1	1	1	1	1	1		127
128								1	128
129	1							1	129
130		1						1	130
131	1	1						1	131
132			1					1	132
133	1		1					1	133
134		1	1					1	134
135	1	1	1					1	135
136				1				1	136
248				1	1	1	1	1	248
249	1			1	1	1	1	1	249
250		1		1	1	1	1	1	250
251	1	1		1	1	1	1	1	251
252			1	1	1	1	1	1	252
253	1		1	1	1	1	1	1	253
254		1	1	1	1	1	1	1	254
255	1	1	1	1	1	1	1	1	255

002220" 29692960

FIG. 16A

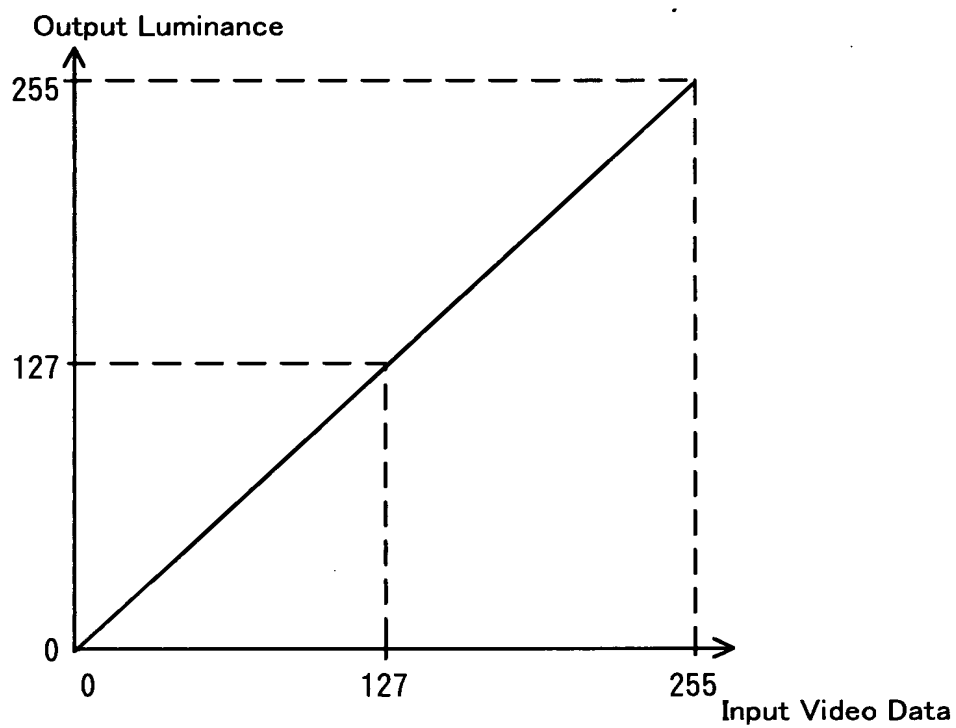


FIG. 16B

